



Record of Modification

to the
Troy Sampling and Quality Assurance Project Plan
Field Activities
TFO-00004

Instructions to Requester: Fax to contacts at bottom of form for review and approval.

File approved copy with Data Manager at the Troy Field Office (TFO).

Data Manager will maintain legible copies in a binder that can be accessed by TFO personnel.

If Modification is Temporary for a single Parcel, Data Manager will scan this and place in parcel's electronic file.

Project Work Plan/QAPP (check one):

- ☒ Outdoor Ambient Air Study Work Plan
- ☐ Other (Title and approval date): _____

Site-Specific Guidance/SOP:

Title NA

Number/Revision): NA

Requester: Catherine LeCours

Title: Project Manager

Company: DEQ

Date: October 14, 2010

Description of Modification (attach additional sheets if necessary, state section and page numbers of each document that are affected by the proposed modification): Section 5.2 in the Final Remedial Investigation Work Plan Outdoor Ambient Air Study – Operable Unit Number 7 of the Libby Asbestos Superfund Site states "Field co-located samples will be collected from the same location throughout the project and will consist of a co-located sampling station (Station T4QC) to be built approximately seven feet from the proposed sampling station to be located at the DEQ Troy Information Center." For additional years of ambient air sampling this protocol will be changed so that the co-located sampling station will be named "TOO" and will move to a different sampling station during each sampling period.

Field Sampling Data Sheet where Modification is documented (attach associated correspondence): N/A

Potential Implications of Modification: Modifications to sampling protocol involve rotating the co-located sampling station among all of the seven ambient air sampling stations. Analytical protocol will not be impacted; however moving the co-located sampling station will allow evaluation of analytical variability at all seven stations. A minimum of five co-located samples will be collected at each of the stations.

Duration of Modification (Check one):

- ☐ Temporary

Date(s): _____

Station Number- _____

TA- _____

- ☒ Permanent (Proposed Text Modification Section) Effective Date: November 1, 2010

Proposed Text Modifications in Associated Document (attach additional sheets if necessary): Section 4.4.2 in the Final Remedial Investigation Work Plan Outdoor Ambient Air Study – Operable Unit Number 7 of the Libby Asbestos Superfund Site (Table 4-2) and Section 5.2 (Paragraph 5) will read as follows: Co-located field samples will be collected

by Station TQC at a different station location each sample period throughout the project. Station TQC will be placed next to each of the seven stations throughout monitoring. Station TQC will be moved after each sampling period and will be cycled through each of the stations (e.g. T11, T12, T13, T14... T17) so that a minimum of 5 co-located samples are collected from each of the seven sampling stations over 36 sampling periods.

TABLE 4-2
OUTDOOR AMBIENT AIR SAMPLING LOCATIONS

<u>Station Location*</u>	<u>Purpose</u>
<u>Upwind/downwind site near the NW border of OU7</u>	<u>This site will be used to evaluate LA concentrations at the northernmost boundary of OU7 and confirm if any LA is entering or leaving OU7</u>
<u>Community exposure site located within small community area NE of the Kootenai River</u>	<u>This site will be used to evaluate LA concentrations at the small community and the northern boundary of OU7</u>
<u>City of Troy northern site</u>	<u>This site will be used to evaluate LA concentrations north of the Troy community</u>
<u>City of Troy population exposure site</u>	<u>This site will be used to evaluate LA concentrations in the Troy community (specifically in the population center).</u>
<u>City of Troy southern site</u>	<u>This site will be used to evaluate LA concentrations south of the Troy community</u>
<u>SW upwind/downwind site</u>	<u>This site will be used to evaluate LA concentrations at the southwestern boundary of the OU and confirm if any LA is entering or leaving OU7</u>
<u>SE upwind/downwind site</u>	<u>This site will be used to evaluate LA concentrations at the southeastern boundary of the OU and confirm if any LA is entering or leaving OU7</u>
<u>Rotating co-located sampling station to each of the seven sampling locations</u>	<u>Co-located sampling station to evaluate analytical variability at each of the seven station locations</u>

Notes:

LA	Libby Amphibole	SE	Southeast
NE	Northeast	SW	Southwest
NW	Northwest	OU	Operable Unit

* Predominant winds in the area blow from the southeast and northwest. Stations on the southeast and northwest borders of OU7 will act as upwind and downwind receptors depending on wind direction. A summary of historical meteorological conditions is presented in Section 4.4.1.

Data Quality Indicator (circle one) – Please reference definitions on reverse side for direction on selecting data quality indicators:

Not Applicable

Reject

Low Bias

Estimate

High Bias

No Bias

Technical Review and Approval:
(DEQ Project Manager or designate)

Catherine LeCours

Date: 10-18-2010

EPA Review and Approval:
(USEPA RPM or designate)

WA H

Date: 10-18-2010

DATA QUALITY INDICATOR DEFINITIONS

Reject – Samples associated with this modification form are not useable. The conditions outlined in the modification form adversely affect the associated sample to such a degree that the data are not reliable.

Low Bias – Samples associated with this modification form are useable, but results are likely to be biased low. The conditions outlined in the modification form suggest that associated sample data are reliable, but estimated low.

Estimate – Samples associated with this modification form are useable, but results should be considered approximations. The conditions outlined in the modification form suggest that associated sample data are reliable, but estimates.

High Bias – Samples associated with this modification form are useable, but results are likely to be biased high. The conditions outlined in the modification form suggest that associated sample data are reliable, but estimated high.

No Bias – Samples associated with this modification form are useable as reported. The conditions outlined in the modification form suggest that associated sample data are reliable as reported.